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(71) Applicant *(for all designated States except US)*: **GATECHANGE TECHNOLOGIES, INC.** [US/US]; 115 Research Drive, Bethlehem, PA 18015 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HORTON, James, A.** [US/US]; 4535 Loch Valley Road, New Tripoli, PA 18066 (US). **KLEIN, Robert, C., Jr.** [US/US]; 212 Saucon View Drive, Bethlehem, PA 18015 (US). **GROSS, Geroge, F., Jr.** [US/US]; 143 Wwwdhill Drive, Fleetwood, PA 19522 (US). **FLEMMING, Terry** [US/US]; 2195 Stonewall Drive, Macungie, PA 18062 (US). **JENKINS, Reynolds, E., Jr.** [US/US]; 748 Kennedy Avenue, Mertztown, PA 19539 (US).

(74) Agents: **HUSICK, Lawrence, A.** et al.; Lipton, Weinberger & Husick, 201 North Jackson Street, P.O. Box 934, Media, PA 19063-0934 (US).

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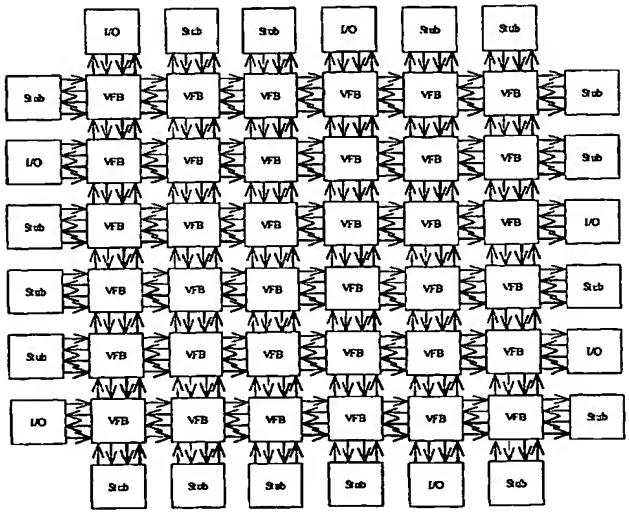
(54) Title: SYSTEM AND METHOD FOR MESSAGE PASSING FABRIC IN A MODULAR PROCESSOR ARCHITECTURE



Messenger Interconnected Processor Array

(57) Abstract: The invention provides a system and method of providing a message passing fabric in a modular processing system where a plurality of processing elements (VFBs), access other available processing elements to provide a message passing fabric where the fabric asynchronously establishes routes for synchronous messages from an origin processing element to a destination processing element to permit an operation to occur at the destination processing element in a flexible, efficient, self-routing and real-time dynamically optimized manner.

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